

## EAST Search History

## EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S16	49234	"429".clas.	US-PGPUB; USPAT	OR	ON	2009/07/15 20:43
S17	151588	"29".clas.	US-PGPUB; USPAT	OR	ON	2009/07/15 20:43
S18	2033	"29/623.1".ccls.	US-PGPUB; USPAT	OR	ON	2009/07/15 20:45
S19	806	"29/623.2".ccls.	US-PGPUB; USPAT	OR	ON	2009/07/15 20:45
S20	286	"29/623.3".ccls.	US-PGPUB; USPAT	OR	ON	2009/07/15 20:45
S21	464	"29/623.4".ccls.	US-PGPUB; USPAT	OR	ON	2009/07/15 20:45
S22	1187	"29/623.5".ccls.	US-PGPUB; USPAT	OR	ON	2009/07/15 20:45
S23	1137	"29/730-732".ccls.	US-PGPUB; USPAT	OR	ON	2009/07/15 20:46
S24	447	"29/730-731".ccls.	US-PGPUB; USPAT	OR	ON	2009/07/15 20:47
S25	478	"29/2".ccls.	US-PGPUB; USPAT	OR	ON	2009/07/15 20:47
S26	50489	S16 S18 S19 S20 S21 S22 S24 S25	US-PGPUB; USPAT	OR	ON	2009/07/15 20:48
S27	7454	S26 and lithium with salt	US-PGPUB; USPAT	OR	ON	2009/07/15 20:49
S28	4818	S27 and electrode with (film layer)	US-PGPUB; USPAT	OR	ON	2009/07/15 20:54
S29	3752	S27 and ((electrode anode cathode) with (film layer multilayer multi adj layer) with (electrolyte electrolytic))	US-PGPUB; USPAT	OR	ON	2009/07/15 20:57
S30	3752	S27 and (electrode anode cathode) with (film layer multilayer multi adj layer) with (electrolyte electrolytic)	US-PGPUB; USPAT	OR	ON	2009/07/15 20:57
S31	655	S30 and lithium with (diffus\$3 migrat\$3)	US-PGPUB; USPAT	OR	ON	2009/07/15 20:59

S32	303	S30 and lithium with (diffus\$3 migrat\$3) with (electrolyte electrolytic)	US-PGPUB; USPAT	OR	ON	2009/07/15 21:00
S33	318	S30 and lithium with (diffus\$3 migrat\$3) with (electrolyte electrolytic polyether polymer)	US-PGPUB; USPAT	OR	ON	2009/07/15 21:02
S34	231	S30 and (lithium li) with (diffus\$3 migrat \$3) with (electrolyte electrolytic polyether polymer) with (electrode anode cathode)	US-PGPUB; USPAT	OR	ON	2009/07/15 21:02
S35	344	S30 and (lithium li) with (diffus\$3 migrat \$3) with (electrolyte electrolytic polyether polymer)	US-PGPUB; USPAT	OR	ON	2009/07/15 21:03
S36	37	S34 and (lithium li) with (electrolyte electrolytic polyether polymer) with ("without" "not")	US-PGPUB; USPAT	OR	ON	2009/07/15 21:05
S37	1	"20070169338"	US-PGPUB; USPAT	OR	ON	2009/07/15 21:07
S38	101	"05396"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/07/15 21:13
S39	8	S38 and sato	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/07/15 21:14
S40	5721	S27 and (electrode anode cathode) with (film layer multilayer multi adj layer)	US-PGPUB; USPAT	OR	ON	2009/07/15 21:24
S41	4543	S27 and (film layer multilayer multi adj layer) with (electrolyte electrolytic)	US-PGPUB; USPAT	OR	ON	2009/07/15 21:24
S42	4241	S40 and S41	US-PGPUB; USPAT	OR	ON	2009/07/15 21:24

S43	234	S42 and (lithium li) with (diffus\$3 migrat \$3) with (electrolyte electrolytic polyether polymer) with (electrode anode cathode)	US-PGPUB; USPAT	OR	ON	2009/07/15 21:25
S44	38	S43 and (lithium li) with (electrolyte electrolytic polyether polymer) with ("without" "not")	US-PGPUB; USPAT	OR	ON	2009/07/15 21:25
S45	1	"5552239".pn.	US-PGPUB; USPAT	OR	ON	2009/07/16 14:27
S46	26	("5552239").URPN.	USPAT	OR	OFF	2009/07/16 14:27
S47	49282	"429".clas.	US-PGPUB; USPAT	OR	ON	2009/07/16 17:13
S48	2036	"29/623.1".ccls.	US-PGPUB; USPAT	OR	ON	2009/07/16 17:13
S49	806	"29/623.2".ccls.	US-PGPUB; USPAT	OR	ON	2009/07/16 17:13
S50	286	"29/623.3".ccls.	US-PGPUB; USPAT	OR	ON	2009/07/16 17:13
S51	464	"29/623.4".ccls.	US-PGPUB; USPAT	OR	ON	2009/07/16 17:13
S52	1188	"29/623.5".ccls.	US-PGPUB; USPAT	OR	ON	2009/07/16 17:13
S53	447	"29/730-731".ccls.	US-PGPUB; USPAT	OR	ON	2009/07/16 17:13
S54	478	"29/2".ccls.	US-PGPUB; USPAT	OR	ON	2009/07/16 17:13
S55	50537	S47 S48 S49 S50 S51 S52 S53 S54	US-PGPUB; USPAT	OR	ON	2009/07/16 17:13
S56	7465	S55 and lithium with salt	US-PGPUB; USPAT	OR	ON	2009/07/16 17:13
S57	5731	S56 and (electrode anode cathode) with (film layer multilayer multi adj layer)	US-PGPUB; USPAT	OR	ON	2009/07/16 17:13
S58	4553	S56 and (film layer multilayer multi adj layer) with (electrolyte electrolytic)	US-PGPUB; USPAT	OR	ON	2009/07/16 17:13
S59	4250	S57 and S58	US-PGPUB; USPAT	OR	ON	2009/07/16 17:13

S60	234	S59 and (lithium li) with (diffus\$3 migrat \$3) with (electrolyte electrolytic polyether polymer) with (electrode anode cathode)	US-PGPUB; USPAT	OR	ON	2009/07/16 17:13
S61	38	S60 and (lithium li) with (electrolyte electrolytic polyether polymer) with ("without" "not")	US-PGPUB; USPAT	OR	ON	2009/07/16 17:13
S62	26	S46 not S61	USPAT	OR	ON	2009/07/16 17:13
S63	49282	"429".cls.	US-PGPUB; USPAT	OR	ON	2009/07/17 10:16
S64	2036	"29/623.1".cls.	US-PGPUB; USPAT	OR	ON	2009/07/17 10:16
S65	806	"29/623.2".cls.	US-PGPUB; USPAT	OR	ON	2009/07/17 10:16
S66	286	"29/623.3".cls.	US-PGPUB; USPAT	OR	ON	2009/07/17 10:16
S67	464	"29/623.4".cls.	US-PGPUB; USPAT	OR	ON	2009/07/17 10:16
S68	1188	"29/623.5".cls.	US-PGPUB; USPAT	OR	ON	2009/07/17 10:16
S69	447	"29/730-731".cls.	US-PGPUB; USPAT	OR	ON	2009/07/17 10:16
S70	478	"29/2".cls.	US-PGPUB; USPAT	OR	ON	2009/07/17 10:16
S71	50537	S63 S64 S65 S66 S67 S68 S69 S70	US-PGPUB; USPAT	OR	ON	2009/07/17 10:16
S72	7465	S71 and lithium with salt	US-PGPUB; USPAT	OR	ON	2009/07/17 10:16
S73	5731	S72 and (electrode anode cathode) with (film layer multilayer multi adj layer)	US-PGPUB; USPAT	OR	ON	2009/07/17 10:16
S74	4553	S72 and (film layer multilayer multi adj layer) with (electrolyte electrolytic)	US-PGPUB; USPAT	OR	ON	2009/07/17 10:16
S75	4250	S73 and S74	US-PGPUB; USPAT	OR	ON	2009/07/17 10:16
S76	3324	S75 and (thickness thick) with (electrode anode cathode electrolyte separator)	US-PGPUB; USPAT	OR	ON	2009/07/17 10:16

S77	421	S76 and (thickness thick) with mm with ("0.15" "0.14" "0.13" "0.12" "0.11" "0.10" "0.1" "0.09" "0.08" "0.07" "0.06" "0.05" "0.04")	US-PGPUB; USPAT	OR	ON	2009/07/17 10:19
S78	415	S76 and (thickness thick) with mm with ("0.15" "0.14" "0.13" "0.12" "0.11" "0.10" "0.1" "0.09" "0.08" "0.07" "0.06" "0.05" "0.04 0.03 0.02 0.01")	US-PGPUB; USPAT	OR	ON	2009/07/17 10:21
S79	449	S76 and (thickness thick) with mm with ("0.15" "0.14" "0.13" "0.12" "0.11" "0.10" "0.1" "0.09" "0.08" "0.07" "0.06" "0.05" "0.04" "0.03" "0.02" "0.01")	US-PGPUB; USPAT	OR	ON	2009/07/17 10:23
S80	498	S76 and (thickness thick) with (micron micrometer um) with ("150" "145" "140" "135" "130" "125" "120" "115" "110" "105" "100" "95" "90" "85" "80" "75" "70" "65" "60" "55" "50" "45" "40" "35" "30" "25" "20" "15" "10")	US-PGPUB; USPAT	OR	ON	2009/07/17 10:29
S81	886	S79 S80	US-PGPUB; USPAT	OR	ON	2009/07/17 10:30
S82	1	S75 and (electrolyte electrolytic separator) with "ethylene oxide" with "substituted oxirane" with repeat adj unit	US-PGPUB; USPAT	OR	ON	2009/07/17 10:43
S83	4	S75 and (electrolyte electrolytic separator) with "ethylene oxide" with "substituted oxirane"	US-PGPUB; USPAT	OR	ON	2009/07/17 10:44
S84	12	S75 and (electrolyte electrolytic separator) with "ethylene oxide" with "oxirane"	US-PGPUB; USPAT	OR	ON	2009/07/17 10:47

S85	533	S81 and (anode negative adj electrode) with (film layer) with lithium	US-PGPUB; USPAT	OR	ON	2009/07/17 11:45
S87	1	"5552239".pn.	US-PGPUB; USPAT	OR	ON	2009/07/17 13:53
S88	0	S87 and "carbon black"	US-PGPUB; USPAT	OR	ON	2009/07/17 13:54
S89	49282	"429".cls.	US-PGPUB; USPAT	OR	ON	2009/07/17 14:24
S90	2036	"29/623.1".cls.	US-PGPUB; USPAT	OR	ON	2009/07/17 14:24
S91	806	"29/623.2".cls.	US-PGPUB; USPAT	OR	ON	2009/07/17 14:24
S92	286	"29/623.3".cls.	US-PGPUB; USPAT	OR	ON	2009/07/17 14:24
S93	464	"29/623.4".cls.	US-PGPUB; USPAT	OR	ON	2009/07/17 14:24
S94	1188	"29/623.5".cls.	US-PGPUB; USPAT	OR	ON	2009/07/17 14:24
S95	447	"29/730-731".cls.	US-PGPUB; USPAT	OR	ON	2009/07/17 14:24
S96	478	"29/2".cls.	US-PGPUB; USPAT	OR	ON	2009/07/17 14:24
S97	50537	S89 S90 S91 S92 S93 S94 S95 S96	US-PGPUB; USPAT	OR	ON	2009/07/17 14:24
S98	7465	S97 and lithium with salt	US-PGPUB; USPAT	OR	ON	2009/07/17 14:24
S99	5731	S98 and (electrode anode cathode) with (film layer multilayer multi adj layer)	US-PGPUB; USPAT	OR	ON	2009/07/17 14:24
S100	4553	S98 and (film layer multilayer multi adj layer) with (electrolyte electrolytic)	US-PGPUB; USPAT	OR	ON	2009/07/17 14:24
S101	4250	S99 and S100	US-PGPUB; USPAT	OR	ON	2009/07/17 14:24
S102	3324	S101 and (thickness thick) with (electrode anode cathode electrolyte separator)	US-PGPUB; USPAT	OR	ON	2009/07/17 14:24

S103	449	S102 and (thickness thick) with mm with ("0.15" "0.14" "0.13" "0.12" "0.11" "0.10" "0.1" "0.09" "0.08" "0.07" "0.06" "0.05" "0.04" "0.03" "0.02" "0.01")	US-PGPUB; USPAT	OR	ON	2009/07/17 14:24
S104	498	S102 and (thickness thick) with (micron micrometer um) with ("150" "145" "140" "135" "130" "125" "120" "115" "110" "105" "100" "95" "90" "85" "80" "75" "70" "65" "60" "55" "50" "45" "40" "35" "30" "25" "20" "15" "10")	US-PGPUB; USPAT	OR	ON	2009/07/17 14:24
S105	886	S103 S104	US-PGPUB; USPAT	OR	ON	2009/07/17 14:24
S106	533	S105 and (anode negative adj electrode) with (film layer) with lithium	US-PGPUB; USPAT	OR	ON	2009/07/17 14:24
S107	314	S106 and lithium near2 (film layer)	US-PGPUB; USPAT	OR	ON	2009/07/17 14:24

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